



Connecticut River Atlantic Salmon Commission
Technical Committee

Connecticut River Research Forum

March 3, 2017

U. S. Fish and Wildlife Service Regional Office, Hadley, MA

Agenda

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| 8:30-9:00 | Registration (\$15 – cash or check only), coffee |
| 9:00-9:10 | Opening remarks, Wendi Weber (USFWS Northeast Regional Director) and Caleb Slater (CRASC, Technical Committee Chair) |
| 9:10-9:30 | Proposed critical habitat designation for Atlantic Sturgeon. Lynn Lankshear (NOAA Fisheries, Greater Atlantic Regional Fisheries Office) |
| 9:30-9:50 | Sturgeon in Connecticut: Update. Tom Savoy (Connecticut Department of Energy and Environmental Protection, Marine Fisheries Division) |
| 9:50-10:10 | Fate of Shortnose Sturgeon adults lifted upstream of Holyoke Dam. Micah Kieffer, Boyd Kynard ^A , Martin Horgan, Matthew Burlingame, Phillip Vinogradov, and Brian Kynard ^A (U. S. Geological Service Conte Anadromous Fish Research Center and ^A B-K Riverfish). |
| 10:10-10:30 | Activity of YOY Kootenai River White Sturgeon and Connecticut River Shortnose Sturgeon in response to the winter temperature cycle. Boyd Kynard, Brian Kynard, Martin Horgan, and Erica Parker (B-K Riverfish and University of Massachusetts, Amherst) |
| 10:30-10:40 | BREAK |
| 10:40-11:00 | Preliminary results of acoustic monitoring of Shortnose Sturgeon below the Holyoke Dam. Jake Riley and Nathan Henderson (Stantec Consulting) |
| 11:00-11:40 | Biological, Engineering, and Hydraulic Aspects of Fish Passage Facilities installed at the Hadley Falls Station for Shortnose Sturgeon and Other Diadromous. Steve Amaral (Alden Labs), Brett Towler (USFWS Fisheries Program), George Hecker (Alden Labs), Songheng Li (Alden Labs), and John Warner (USFWS ES) |
| 11:40-12:10 | Sturgeons panel discussion. Presenters and Julie Crocker (NOAA Fisheries) |
| 12:10-1:00 | LUNCH, provided with registration fee |

- 1:00-1:20 **A four year telemetry study of the mortality and delay in transit associated with the downstream migration of silver eels through five hydroelectric facilities on the Merrimack River.** Douglas Smithwood (USFWS Central New England Fish and Wildlife Conservation Office)
- 1:20-1:40 **Climbing behavior of juvenile American eels and development of “next generation” climbing substrates.** Zahra Anwar and Alex Haro (USGS CAFRC)
- 1:40-2:00 **American Shad (*Alosa sapidissima*) energy use during spawning migration in the Connecticut River.** Shannon M. Bayse, Amy M. Regish, and Stephen D. McCormick (USGS CAFRC)
- 2:00-2:20 **Estimating American Shad fecundity: assessing geographic and historic variation, as well as the effects of alternative methods, on producing an estimate for quantitative population models.** Richard S. McBride¹, Rosalia Ferreri², Emilee K. Towle³, Jason M. Boucher³, G. Basilone², Daniel Stitch⁴, and Timothy Sheehan¹.
- 2:20-2:35 BREAK
- 2:35-2:55 **The Aquatic Biomechanics and Kinematics Station (ABiKiS): a new tool for understanding the physics of swimming performance.** Theodore Castro-Santos (USGS CAFRC) and Elsa Goerig (Harvard University)
- 2:55-3:15 **The North Atlantic Aquatic Connectivity Collaborative: A Coordinated effort to document and mitigate road crossings that fragment stream ecosystems.** Scott Jackson⁵, Alex Abbott⁶, Jessica Levine⁷, Erik Martin⁷, and Melissa Ocana⁵
- 3:15-3:35 **Visualization tools for complex data: useful or just cute?** Ben Letcher (USGS CAFRC) and Jeff Walker (Walker Environmental Research)
- 3:35 Closing remarks, Caleb Slater

Affiliations

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